



NAYA RAIPUR DEVELOPMENT AUTHORITY

**Tender Document for the
Construction of Water supply system from Jhanjh lake to
Cermonial boulevard park in Naya Raipur**

(Following Three-Envelope Tender Procedure)

**Schedule – A
Price Tender
To be submitted in ENVELOPE-3**

NIT No.: 151/WSS(J-CB)/EE-PHE/CE(E) / NRDA / 2016-17, Naya Raipur,

Dated: 05.01.2017.

Issued by: Chief Executive Officer,
Naya Raipur Development Authority (NRDA)
Paryavas Bhawan, North Block Sector- 19,
Naya Raipur- 492 002, Chhattisgarh
Tel No: + 91 771 2512500; Fax No.: +91 771 2512400.
Website: www.nayarapur.gov.in

Tender Document Contains

- (a) Only schedule "A" and Section-I of schedule "D" are to be filled & signed by the tenderer
 (b) All the certificates as per pre qualification criteria shall be appended with relevant forms of schedule "D"

1. PART ONE (NRDA F-1)-(Attached herewith, to be submit along the tender)

Part (A)

- a) Press Notice
 b) Detailed NIT

Part (B)

a) Schedule-A

- (i) Cost Abstract
 (ii) Bill of Quantities

- b) Schedule-B –NIL
 c) Schedule-C –NIL
 d) Schedule-D

Section-I..... Technical tender forms

- (i) Letter of Technical Tender
 (ii) Tenderer's Information Sheet
 (iii) Annual Turnover
 (iv) Specific Construction Experience
 (v) Declaration
 (vi) Check list for Technical tender evaluation
 (vii) Return Of Emd
 (viii) Integrity Pact

Section –IIScope of work

Section –III..... Technical specifications of work

Section –IV..... Special Conditions of Contract

Section –V..... List of approved makes

Section –VI..... Drawings

- e) Schedule-E
 f) Schedule-F

2. PART TWO (NRDA F-2/3)-Standard form (Not Attached herewith, and not to be submitted along the tender)

Important note: - Link site [http:// nayaraipur.com/documents/gcc.pdf](http://nayaraipur.com/documents/gcc.pdf)

1. General Guidelines
2. Tender
3. General rules and directions
4. Conditions of contract
5. Clauses of contract
6. Model rules relating to labour, water supply and sanitation in labour camps safety code
7. Contract forms
 - (a) Draft Format for Performance Security
 - (b) Earnest Money Deposit Form (Bank Guarantee)
 - (c) Format of Contract Agreement
 - (d) Draft Format for Performance Guarantee for Water Proofing and Anti-termite Works
 - (e) Indemnity Bond
 - (f) Indenture Bond
 - (g) Notice for Appointment of Arbitrator
8. Proforma of schedules (Schedule 'A' to Schedule 'F')

Naya Raipur Development Authority (NRDA) Raipur, Chhattisgarh

Document details

Name of work : "Construction of Water supply system from Jhanjh lake to Cermonial boulevard park in Naya Raipur".

Name of Tenderer:

Details

- a) Cost of Tender Document : Rs
- b) EMD : Rs

Signature of Tenderer

Date: _____

Bill of Quantities

Construction of Water Supply System from Jhanjh Lake to Cermonial Boulevard Park in Naya Raipur

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
	Lowering, laying, aligning, fixing of pipe line work					
1	Earth work in excavation for pipe trench in ordinary soil are as including dressing, watering and ramming and disposal of excavated earth lead up to 50meter sand lift up to 1.5m, disposal earth to be leveled, neatly dressed.	Cum	3436.40			Rs. -
2	Providing and laying mechanically mixed cement concrete with crushed stone aggregate excluding centering and shuttering (with 40mm nominal size graded stone aggregate)					
a	M-10 Grade	Cum	1.00			Rs. -

Signature of Contractor.....

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Signature of NRDA.....

NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
3	Construction of RCC drain/chamber cover, placing in position, providing shuttering and concreting by using concrete mixer, compaction by vibration etc complete as per drawings and technical specifications excluding reinforcement. with RCC M-20					
a	M-20	Cum	11.70			Rs. -
4	Providing and fixing formwork i/c centering shuttering, strutting, staging, propping, bracing etc. complete and i/c removal of formwork.					
a	Foundation /footing /column base/ plinth beam of any shape and size up to plinth level	Sqm	3.00			Rs. -
5	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:					

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
a	Thermo-Mechanically Treated bars FE -500D	kg	994.50			Rs. -
6	Providing, laying and jointing following UPVC pipes with solvent cement joint for 4, 6, 8 and 10kg/sq.cm. pressures including testing of joints, cost of including all accessories (for specials 10kg/sq.cm) i.e. tees, bends, reducers, end caps etc and fittings with necessary jointing materials etc. complete in all respect. [Conform to IS 4985:2000 and IS 7634 (PT-3)]					
a	110 mm dia. 6 Kg/sq.cm	Rm	4000.00			Rs. -
7	Providing & fixing of Cast iron double flanged sluice valves as per I.S.:14846-2000 fitted with cast iron cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (Steel Spindle)					
a	80 mm diameter (Pressure rating PN - 1.6)	Each	1.0			Rs. -

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
b	100 mm diameter (Pressure rating PN - 1.6)	Each	3.0			Rs. -
8	Providing & fixing cast iron double air valves, flanged without in-built isolating valve as per IS:14845-2000 including jointing & testing with cost of jointing material and rubber insertion all complete as per IS :13095-1991					
a	80 mm dia PN-1.6	Each	1.00			Rs. -
9	Providing 1st class bedding below pipes with graded sand or other granular materials passing through 5.6 mm sieve as per clause 2904.					
a	110 mm diameter pipe	Cum	164.00			Rs. -

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
10	Providing, laying, jointing, testing and commissioning of D.I Dismantling joint with M.S. Nut stud & washers coated for rust prevention & internal rubber rings etc. complete assembly set as per type design inclusive of all taxes & duties, insurance, loading/ unloading & stacking FOR at site all complete as per technical Specifications and as per direction of Engineer.					
a	100 mm diameter	Each	3.00			Rs. -
11	Construction of RCC valve chamber internal size 1.2m x 1.2m x 1.5m, 100mm thick PCC- M10 and RCC M20 grade 150mm thick wall, precast cover 125mm thick slab on top for protection of valve coming under traffic & extended MS valve operating spindle rod as reqd etc. Including steel reinforcement on 10mm dia. 150mm c/c bothways wall & precast cover, shuttering, labour charges etc as per drawing and as per direction of Engineer complete etc.	No	3.00			Rs. -
C	Mechanical and Electrical works					

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
12	Providing and Supplying of following Open well submersible Pump set with ISI mark IS14220 (horizontal) without panel board, duly tested from certified agencies for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as per direction of Engineer-in-Charge.					
a	23640 LPM at a head of 40 metres,	Each	2			Rs. -
13	Supplying and laying following sizes one number PVC insulated, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
a	4 x 16 sq. mm.	Meter	300			Rs. -

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
14	Supply, installation, testing and commissioning of cubicle type wall/ floor mounted power cum control panel made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as required. a) Phase indicating lamps with fuses and toggle switches 1 set b) Star delta starter suitable for 7.5 HP 3 phase AC induction motor with over load and no volt relay c) 32 A "C" series TPMCB 1 No d) Voltmeter 0-500 V with selector switch 1 set e) Ammeter 0-10 A with CT's and selector switch 1 set.	Set	1			Rs. -
15	Supplying and installing pressure gauge of 100 mm ϕ ., 0-300 PSI or 0-21 kg per cm square fitted with 12/15 mm ϕ . pad cock valve, and G.I. pipe, elbow etc. as per requirement in approved manner.	set	2			Rs. -
16	Supply, erection, jointing, testing & commissioning of "C" Class MS pipes (as per IS: 1239) including necessary specials such as tees, bends, flanges reducers etc., complete on wall/ ceiling. The pipes to be erected on wall or suspended from beams, RCC roof slabs with suitable size MS bars/ angle irons including painting of metal part except pipe line.					

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
a	80mm dia.	Rm.	100			Rs. -
17	M.S. Pipe work and Fabricated platforms: Providing, lowering, laying, aligning, fixing in position at and jointing at all levels, fabricating, erecting, jointing and testing MS flanged pipes and specials supply with necessary iron clamp coupler, bend, tee, Tee, elbow, reducer, nuts and bolts etc. complete and fabricated platforms wherever required, assembling and butt welding as per detailed specifications including painting with epoxy paint etc. testing and commissioning and as per drawing and directed by the engineer.	kg	100			Rs. -
18	Painting for M.S. pipe with a coat of red oxide primer and two or more coats of synthetic enamel paint of approved colour and Quality to give an even shade including surface preparation.					
a	80mm dia.	Rm	100			Rs. -

Signature of Contractor.....

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NRDA F-1 Schedule-A

Sl. No.	Description of Item	Unit	Quantity	Unit Rate in INR	Rate in words (in INR)	Amount in INR
19	Providing and fixing following cast iron double flanged single door reflux (non return) valve including jointing and testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS:5312 9 (Part I)					
a	80 mm dia. (Class -PN 1.0 rating)	No	2			Rs. -
20	Providing, and fixing M.S. round and square bars with MS flat of required pattern in wooden frames for windows & clerestory windows including applying a priming coat of red oxide zinc chromate primer, welding etc. complete					
a	Plain grill/ pump installation standard	kg	150.00			Rs. -
	Sub Total amount					Rs. -

Signature of Contractor.....

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